

**Dialog DataStar**

options

logout

feedback

help

databases

search  
page

titles

## Document

Select the documents you wish to save or order by clicking the box next to the document, or click the link above the document to order directly.

**1** INFORMATION - Order has been sent

save

locally as: PDF document

search strategy: do not include the search strategy

previous  
documentsnext  
documents

order

☒ document 2 of 5 [Order Document](#)

**INSPEC - 1969 to date (INZZ)**

**Accession number & update**

4731297, B9409-6210L-129, C9409-5620L-044; 940803.

**Title**

Efficient, real-time address resolution in backbone networks.

**Author(s)**

[Doeringer-W-A](#); [Dykeman-H-D](#); [Peters-M-L](#); [Sandick-H-J](#); [Vu-K-V](#); Ed. by [Onyural-R-O](#); [Nilsson-A](#).

**Author affiliation**

IBM Res Div, Zurich, Switzerland.

**Source**

Proceedings of First International Conference on Local Area Network Interconnection, Research Triangle Park, NC, USA, 20-22 Oct. 1993.

Sponsors: IEEE, IBM, Centre Commun. & Signal Processing, IFIP.

In: p.183-92, 1993.

**ISSN**

ISBN: 0-306-44630-8.

**Publication year**

1993.

**Language**

EN.

**Publication type**

CPP Conference Paper.

**Treatment codes**

T Theoretical or Mathematical.

**Abstract**

This article presents a novel, dynamic address resolution procedure for highspeed, general-topology backbone networks with group management and hardware-supported multicast facilities. By making efficient use of these particular network features, the described procedure induces only minimal communication and processing overhead independent of the size of the backbone network and the number of attached external networks. The procedure further imposes no architectural limit on the set of supported address spaces, and it meets the timing requirements for address resolution of a very wide range of interconnected external networks, including but not limited to, LANs and MANs. (31 refs).

**Descriptors**

LAN-interconnection; metropolitan-area-networks; telecommunication-network-management.

**Keywords**

real time address resolution; group management; dynamic address resolution procedure; general topology backbone networks; hardware supported multicast facilities; processing overhead; attached external networks; supported address spaces; timing requirements; LAN; MAN.

**Classification codes**

B6210L (Computer communications).  
C5620L (Local area networks).  
C5620M (Metropolitan area networks).

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

locally as:   search strategy:

Top - News & FAQs - Dialog

© 2005 Dialog

# Google

## Advanced Search

[Advanced Search Tips](#) | [About Google](#)

<b>Find results</b>	with <b>all of the words</b>	<input type="text" value="functional characteristics te"/>	<input type="text" value="10 results"/>
	with the <b>exact phrase</b>	<input type="text" value="web design"/>	<input type="button" value="Google Search"/>
	with <b>at least one of the words</b>	<input type="text"/>	
	without the words	<input type="text" value="courses schools patents 20"/>	
<b>Language</b>	Return pages written in	<input type="text" value="any language"/>	
<b>File Format</b>	<input type="button" value="Only"/> return results of the file format	<input type="text" value="any format"/>	
<b>Date</b>	Return web pages updated in the	<input type="text" value="anytime"/>	
<b>Occurrences</b>	Return results where my terms occur	<input type="text" value="anywhere in the page"/>	
<b>Domain</b>	<input type="button" value="Only"/> return results from the site or domain	<input type="text"/>	
		e.g. <a href="#">google.com</a> , <a href="#">.org</a> <a href="#">More info</a>	
<b>SafeSearch</b>	<input checked="" type="radio"/> No filtering <input type="radio"/> Filter using <a href="#">SafeSearch</a>		

### Froogle Product Search (BETA)

<b>Products</b>	Find products for sale	<input type="text"/>	<input type="button" value="Search"/>
To browse for products, start at the <a href="#">Froogle home page</a>			

### Page-Specific Search

<b>Similar</b>	Find pages similar to the page	<input type="text" value="e.g. www.google.com/help.html"/>	<input type="button" value="Search"/>
<b>Links</b>	Find pages that link to the page	<input type="text"/>	<input type="button" value="Search"/>

### Topic-Specific Searches

New! [Local](#) - Find local businesses and services on the web.

[Apple Macintosh](#) - Search for all things Mac

[BSD Unix](#) - Search web pages about the BSD operating system

[Linux](#) - Search all penguin-friendly pages

[Microsoft](#) - Search Microsoft-related pages

[U.S. Government](#) - Search all .gov and .mil sites

[Universities](#): [Stanford](#), [Brown](#), [BYU](#), & [more](#) - Narrow your search to a specific school's website

[options](#)[logout](#)[feedback](#)[help](#)[databases](#)[search  
page](#)

## Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

Documents 1 to 3 of 3 from your search "**Aupperle-B-E.AU.**" in all the available information:  
Number of titles selected from other pages: 0

☐ **Select All**☐ **1 display full document**

1989. (INZZ) Evaluation of fault-tolerant systems with nonhomogeneous workloads.

☐ **2 display full document**

1991. (INZZ) State space generation for degradable multiprocessor systems.

☐ **3 display full document**

1988. (INZZ) Fault-tolerant BIBD networks.

Selection	Display Format	Output Format	ERA <sup>SM</sup> Electronic Redistribution & Archiving
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom <a href="#">Help with Formats</a>	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Copies you will redistribute: <input type="text"/> Employees who will access archived record(s): <input type="text"/> <a href="#">Help with ERA</a>
<div>Sort your entire search result by <input type="text" value="Publication year"/> <input type="button" value="v"/> <input type="text" value="Ascending"/></div>			

[Top](#) - [News & FAQs](#) - [Dialog](#)

© 2005 Dialog